Introduction to Computer Graphics

Section 4 : http://bit.ly/1io0UMf
Sheet 4 : http://bit.ly/1kzmujP

Younies Saeed Mahmoud

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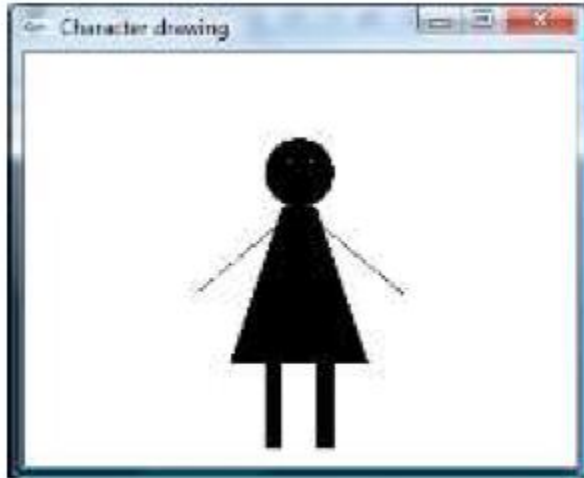*https://www.facebook.com/younies.mahmoud*

Circle:

- Vertex
  - Theta
  - Equation

Question 3:

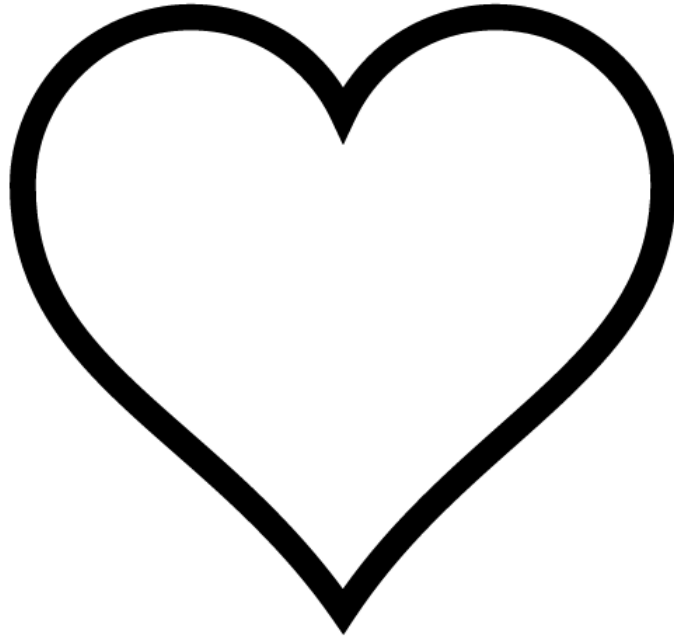Write an OpenGL program to draw the following symbolic characters.
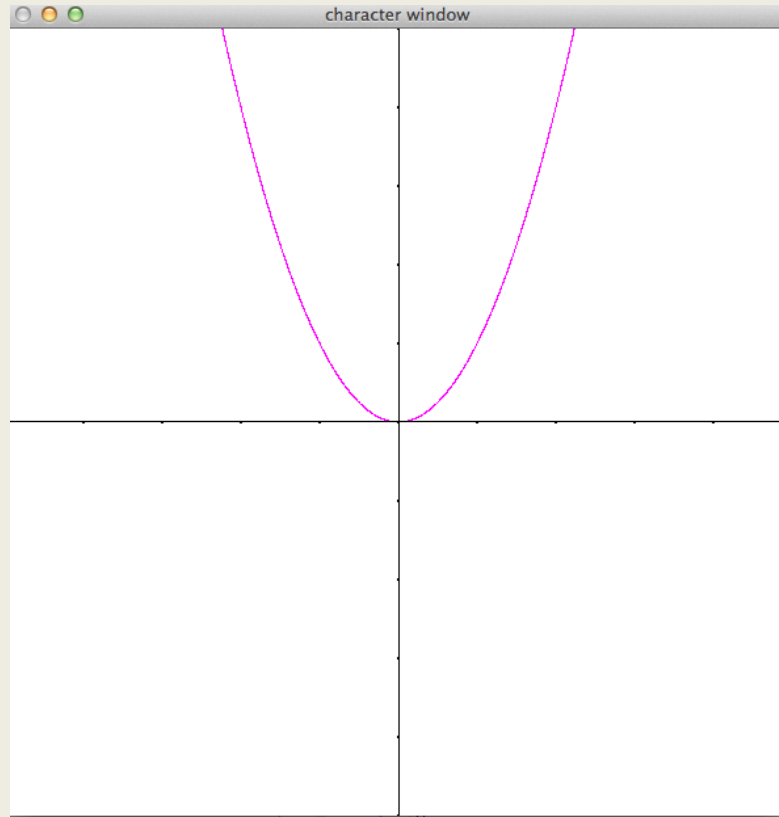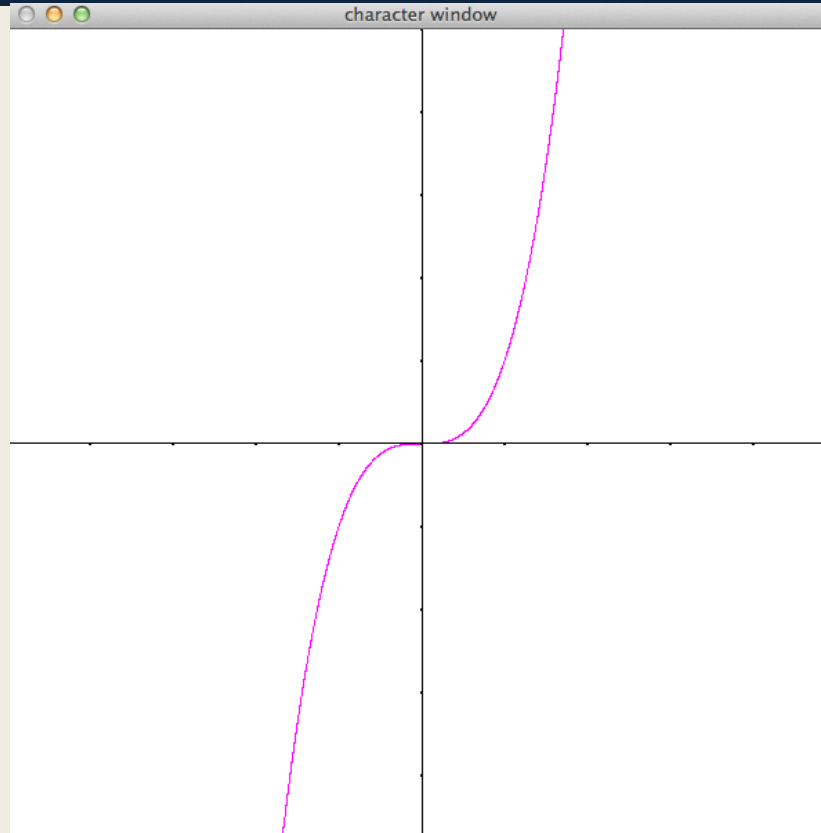

(a)

(b)

How to draw a heart .. make it pink

First

How to draw equation ???

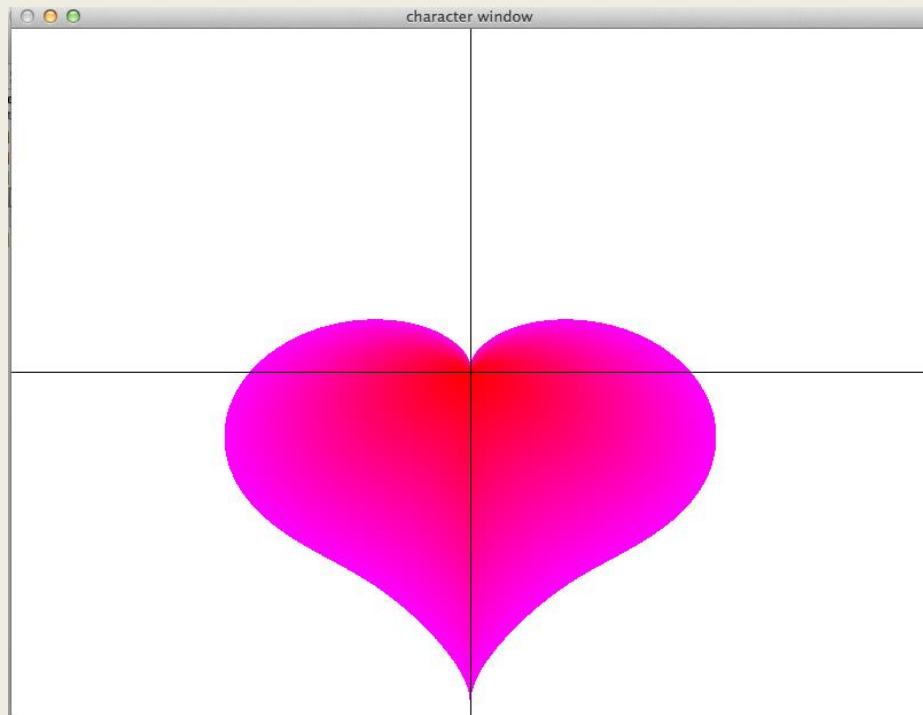# second order equation $y = x \wedge 2$

third order equation y = x^3

Heart Equation

```
double r = ( 2 - 2 * sin(theta) + sin(theta) * ( sqrt(fabs(cos(theta))) / (sin(theta) +1.4)));
```
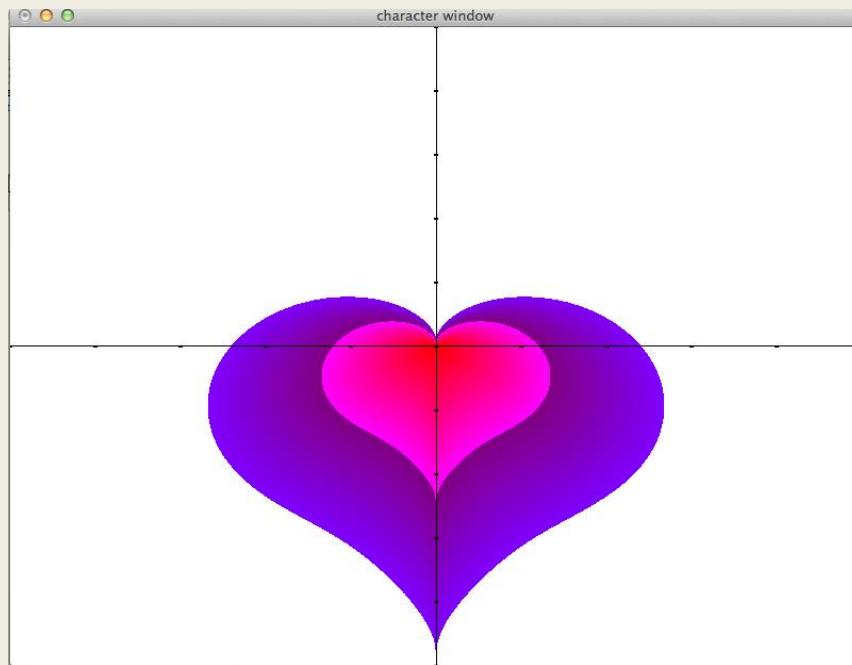
$$r(\theta) = 2 - 2\sin\theta + \sin\theta \, \frac{\sqrt{|\cos\theta|}}{\sin\theta + 1.4}$$
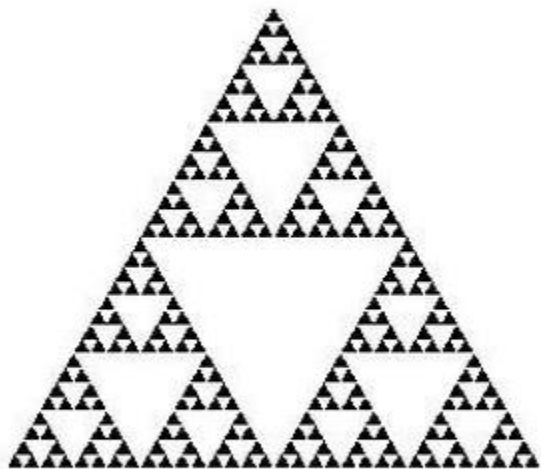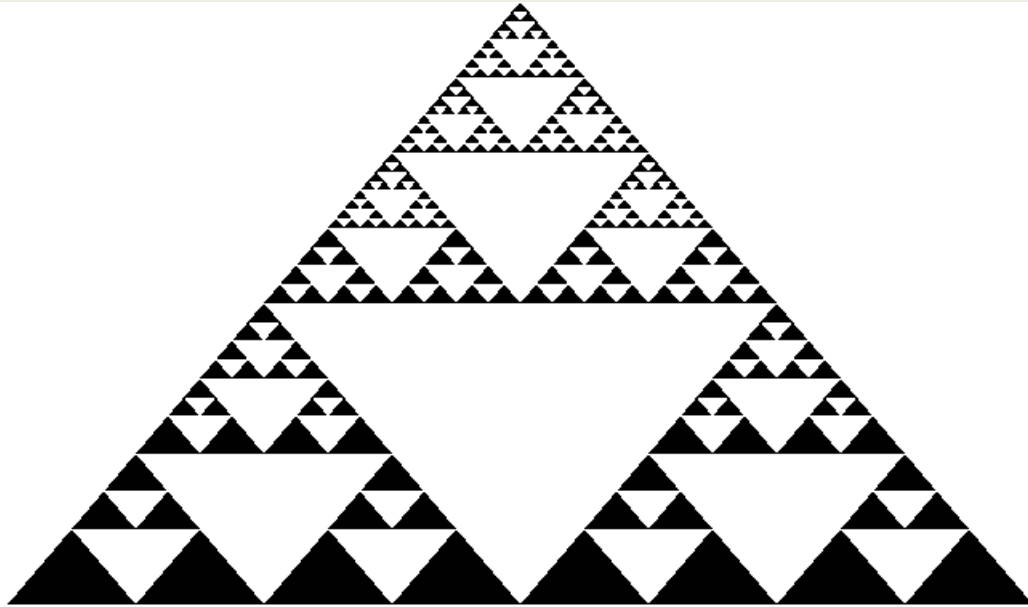
How to draw a heart

How to draw a heart

http://pastebin.com/rEeUBqXT

Gasket

Recursion

Function calls itself

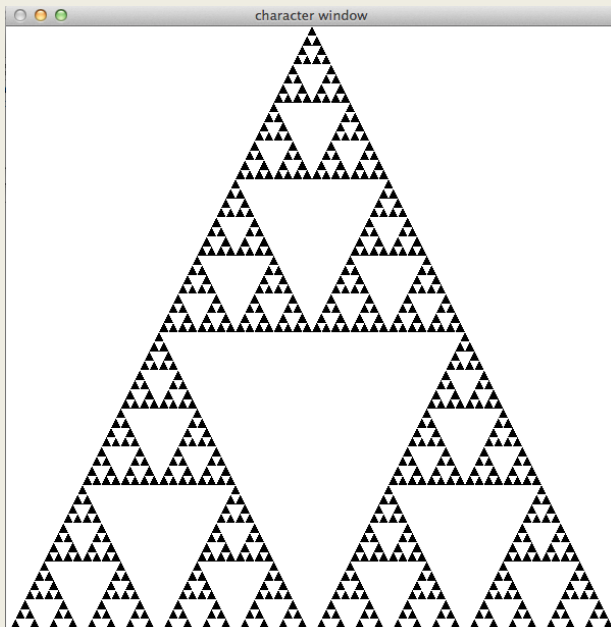- Summing Array
- Factorial

Gasket 2

Finally

http://pastebin.com/AgH3iAUk

Report

Draw
1. Father
2. Mother
3. Son
4. in the Heart

many Thanks!